

**To:** Nattis, Randy[Nattis.Randy@epa.gov]  
**From:** Schaefer, Joe  
**Sent:** Thur 9/18/2014 3:48:47 PM  
**Subject:** Fwd: Rad Site in reference

Joe Schaefer  
 Environmental Response Team  
 (609)865-8111 (c)

Begin forwarded message:

**From:** "Compton, Harry" <Compton.Harry@epa.gov>  
**Date:** September 18, 2014 at 11:33:29 AM EDT  
**To:** "Schaefer, Joe" <Schaefer.Joe@epa.gov>  
**Subject:** FW: Rad Site in reference

**From:** Kudarauskas, Paul  
**Sent:** Thursday, September 18, 2014 8:51 AM  
**To:** Compton, Harry  
**Subject:** Rad Site in reference

Harry....A few questions came up when this was read...

- o Why isn't CMAD involved since this is a Rad site (I know the SOP is not finished yet)
- o We all know marketing could be better for everyone's capabilities, but ASPECT has the Agency's most advanced rad survey equipment. Why didn't the POCs at ERT consider them? In addition, the plane could have finished the survey in 30 minutes vs weeks. There is no difference in special resolution between air and ground based surveys. Regardless, we can use ASPHALT and get better results than a Ludlum
- o ASPECT/Asphalt would be more cost effective
- o What's the purpose of the robot?
- o We have done Navajo and Uranium mine surveys before for a number of Regions....

Haystack Mine No. 1 Abandoned Uranium Mines, Navajo Nation, NM [Removal]. On August 11-15, Ray Ledbetter and SERAS were on site, providing site assistance to EPA Region 9 On-Scene Coordinator Randy Nattis and START. ERT-Las Vegas equipment, including the Mobile Command Post, trailer, and two ATVs were deployed to facilitate the radiological assessment work at this site. The work performed included the initial retrofitting of assemblies to the above-mentioned ATVs in order to house the necessary radiological instrumentation for conducting radiation surveys using a Ludlum detector. The survey area in question is more than 140 acres. The data gathered from the detectors were transmitted to the ERT VIPER system where it can be viewed on a secure website. ERT/SERAS also provided assistance to Region 9 and START on the initial and continued operation of the VIPER system to facilitate a seamless transition following the demobilization of ERT/SERAs from the site. The work is expected to continue for approximately two weeks. The information collected was also immediately relayed from VIPER to a Region 9 web-mapping application so survey points in real time can be observed. During the site visit, ERT/SERAS also tested a new approach for radiation surveys using robots with autonomous navigation. A small robot was given a grid pattern to follow over an area of the desert and drive the route while transporting the same instrumentation setup connected to the VIPER that Region 9 was using. (Contacts: ERT – H. Ray Ledbetter, 702-784-8008; Fred B. Stroud, 702-784-8007; Joseph W. Schaefer, 732-906-6920. Region 9 – Randy Nattis, OSC, 415-972-3053)

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